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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/849,729	05/20/2004	Thomas E. Tiwald	8650	
75	90 11/04/2005		EXAMINER	
JAMES D. WELCH 10328 PINEHURST AVE.			CHARIOUI, MOHAMED	
OMAHA, NE 68124			ART UNIT PAPER NUMBER	
			2857	

DATE MAILED: 11/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			K
•	Application No.	Applicant(s)	
	10/849,729	TIWALD THOMAS E	
Office Action Summary	Examiner	Art Unit	
	Mohamed Charioui	2857	·
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address	•
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communical D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 19 A	<u>ugust 2005</u> .	·	
2a)⊠ This action is FINAL . 2b)□ This	action is non-final.	•	
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits	is
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-41 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-41 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10)⊠ The drawing(s) filed on <u>02 August 2005</u> is/are:	a)⊠ accepted or b)□ objected	to by the Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	∋ 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	•		` '
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document: 2. Certified copies of the priority document: 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s)	_		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da		
Notice of Dratisperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	_	ratent Application (PTO-152)	

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Art Unit: 2857

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. **Claims 1-3** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites in page 3, line 15 "also the real part of", this limitation is incomplete. Therefore, claims 1-3 are considered indefinite.

2. Claims 4-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4, recites in page 5, lines 24-25, "for each of the remaining n-2 wavelength range segments, sequentially;" it is not clear from the claim what is being done sequentially to the remaining n-2 wavelength range. Therefore claims 4-14 are considered indefinite.

3. **Claims 15-25** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 15, recites in page 10, lines 3-4, "for each of the remaining n-2 wavelength range segments, sequentially," it is not clear from the claim what is being

done sequentially to the remaining n-2 wavelength range. Therefore claims 15-25 are considered indefinite.

4. **Claim 22** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 22 recites in page 12, lines 4-5, "along with other (K-K) consistent oscillator parameters", it is not clear from the claim what other (K-K) consistent oscillator parameters the claim is referring to. Therefore, claim 22 is considered indefinite.

5. Claims 26-31, 38 and 40 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 26 recites in page 14, lines 8-10, "for each of the remaining n –1 wavelength range segments, on either side of the central peak of the first K-K consistent oscillator;". This limitation is not clear. Therefore, claim 26 is considered indefinite.

6. Claims 32-37, 39 and 41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 32 recites in page 16, lines 24-27, "for each of the remaining n-1 wavelength range segments, distributed about both sides of the central peak of the first K-K consistent oscillator;". It is not clear from the claim what is distributed about both sides of the central peak of the first K-K consistent oscillator. Therefore, claims 32-37, 39 and 41 is considered indefinite.

Response to Arguments

7. Applicant's arguments filed 8/19/05, with respect to claims 1-3 have been fully considered and are persuasive. The rejection of claims 1-3 has been withdrawn.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohamed Charioui whose telephone number is (571) 272-2213. The examiner can normally be reached Monday through Friday, from 9 am to 6 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Marc S Hoff can be reached on (571) 272-2216. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Mohamed Charioui

10/27/05

MARC S. HOFF
SUPERVISORY PATENT SYMMER -